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2018 was a busy year!

Linguistics is a unique program that integrates linguistic theory with experimental research. We have a strong and productive faculty who contribute to the local and global community and we are committed to providing a thorough and comprehensive education in linguistics. Our commitment to these values was supported by our most recent External Review, a comprehensive review of both our undergraduate and graduate degree programs. The External Review consists of an initial self-study by the department and a site visit and final report by an External Review team. The site visit took place in April 2018, with the External Review team (Professor Ann Bradlow, Northwestern University; Professor David Embick, University of Pennsylvania) as well as an internal member, Professor Michael Vitevitch, University of Kansas, Chairof Psychology.

The External Review report was very positive. The progress and accomplishments that are evident daily in the department were noted and highlighted by the External Review report. We were pleased that the reviewers recognized the strengths of the department. Among many other positive comments, the report states:

"The faculty and the PhD students are extremely productive, and undergraduate students are enthusiastic and engaged."

"The department has achieved impressive things with relatively limited resources."

"Given the extremely high level of activity in teaching and developing students, it is remarkable that the department has been able to generate such a large amount of high quality research."

Enrollments in our courses have continued to be very healthy, with Linguistics enrollments increasing while



other university enrollments have dipped. We are currently teaching some 1,300 students per year. The addition of two Teaching Specialist/Lecturers (Dr. Kate Coughlin and Dr. Phil Duncan) this past year has allowed us to actively engage our students and has also helped with the training of our graduate teaching assistants (GTAs).

The year began on a sad note with the passing of Professor Frances Ingemann (see page 14) on January 28, 2018 and Professor Michael Henderson (see page 14) on April 2, 2018. We will miss both Professor Henderson and Professor Ingemann. Prof. Henderson joined the University of Kansas in 1975 as Director of the Applied English Center and Assistant Professor of Linguistics. He was promoted to Associate Professor of Linguistics in 1979, chaired the Linguistics Department for two terms (from 1984-87 and from 1997-2000), and introduced second language research, one of our current strengths, into the department. Prof. Ingemann was the founder of the Department of Linguistics in 1967, a professor at the University of Kansas for 42 years, Chair of the Department for decades, and a pioneer in acoustic speech research. Prof. Ingemann's legacy will continue since she provided a generous endowment to Linguistics for student scholarships.

We are also thrilled to announce another donation from Dr. Anne Abel Hull (and Dr. Francis Abel, posthumously), who recently provided an endowment to the Linguistics Department in honor of their daughter, Carolyn J. Abel. Their gift to Linguistics will support students involved in international research.

The department is humbled by these generous donations to help fund additional opportunities for our students. These gifts make a meaningful difference for our talented and intellectually curious students!

In addition to these major gifts, Linguistics also continues

to do well in terms of competing for research and teaching grants. Professor Alison Gabriele and Professor Robert Fiorentino secured a major 3-year grant from the National Science Foundation for their research on referential dependencies (for details on this grant, see page 9). Professor Jie Zhang also received a major NSF grant for his research on Chinese tone sandhi (for details on this grant, see page 9). Linguistics also received two teaching grants in 2018. Through the Center for Teaching Excellence, Linguistics received a \$10,000 Curriculum Innovation Grant (Transforming the Linguistics Curriculum) to improve student learning by transforming our curriculum. Student learning will benefit from these interactive curricular design changes (such as video clips and experiential laboratory learning) resulting in active engagement with the course material and more student collaboration. The Department of Linguistics also received a Benchmarks for Teaching Effectiveness grant (\$5000) to provide structured and formalized feedback for faculty instructors, thus setting clear expectations for maximal teaching effectiveness.

In the Fall, Alison Gabriele was promoted to Full Professor, Andrew McKenzie was promoted to Associate Professor with tenure, and we hired John Gluckman (Ph.D. UCLA), a Syntactician and Field Linguist. Both Prof. Gabriele and Prof. Tremblay were awarded a sabbatical leave for the Fall and Spring semesters, respectively, allowing them to pursue research here and abroad. Finally, with the help of many students, we were able to re-design our conference room and begin designing the Frances Ingemann Library, dedicated to the preservation of her fieldwork in New Guinea.



FACULTY NEWS

Dr. Kate Coughlin along with colleagues Drs. Annie Tremblay, Elsa Spinelli, and Jui Namjoshi, published an article entitled "Syntactic cues take precedence over distributional cues in native and non-native speech segmentation" in the journal *Language and Speech*. Additionally, with colleagues Drs. Lauren Covey (Ph.D. 2018) and Utako Minai, she published an article entitled "An Eye-Tracking Study Examining the Role of Question-Answer Congruency in Children's Comprehension of Only: A Preliminary Report" in the *Kansas Working Papers in Linguistics*. Dr. Coughlin was also awarded support from the KU Open Access Authors Fund to aid in the open access publication of her manuscript Sensitivity to Inflectional Morphology in a Non-Native Language: Evidence from ERPs (with Drs. Robert Fiorentino, Phaedra Royle, and Karsten Steinhauer). She additionally worked in partnership with Dr. Joan Sereno to earn an award to join the Benchmarks Project in the Center for Teaching Excellence.

Dr. Philip Duncan presented work at the West Coast Conference on Formal Linguistics, the 2nd workshop on Headless Relative Clauses in Mesoamerican Languages (with Harold Torrence), and the annual meeting of the American Anthropological Society (with Lizette Peter, Tracy Hirata-Edds, Wyman Kirk, and Ryan "Wahde" Mackey). In addition to continuing work on the morphosyntax of Me'phaa and Ibibio, and Kiksht documentation efforts (with Valerie Switzler and Nariyo Kono), in summer 2018 Duncan traveled to Ghana and began a collaborative effort to further document properties of two Ghana-Togo Mountain languages. The co-edited volume (with Jason Kandybowicz, Travis Major (M.A. 2014), and Harold Torrence) *African Linguistics on the Prairie* was published by Language Science Press last June, which includes a co-authored chapter (with Travis Major and Mfon Udoinyang) entitled "Searching high and low for focus in Ibibio." Dr. Duncan is currently collaborating with Dr. Torrence on a book chapter to appear in *Headless Relative Clauses in Mesoamerican Languages*, as well as with Dr. Torrence, Dr. Kandybowicz, and Travis Major for a chapter to appear in *The Open Handbook of Linguistic Data Management*.

Prof. Robert Fiorentino and colleagues presented research on native and non-native sentence processing using the brain imaging technique EEG at the 2018 Second Language Research Forum and at the 2018 American Association of Applied Linguistics (AAAL) conference. Prof. Fiorentino also presented his research on morphological processing in a keynote lecture at the 2018 Florida Yearly Linguistics Meeting. Fiorentino published manuscripts with faculty and student collaborators in the journals *Frontiers in Psychology, Language Acquisition, Neuroscience Letters, and PLoS ONE*. Prof. Fiorentino was also invited to contribute a review article, "Issues in neurolinguistic studies of morphology" for publication in the *Oxford Research Encyclopedia of Linguistics*, to appear in Spring 2019. Professors Fiorentino and Gabriele were awarded a National Science Foundation grant with Co-Principal Investigators Lesa Hoffman, Manuel Carreiras and Co-Investigator Simona Mancini, titled, "Examining native language variability and its effects on second language processing: An event-related potentials investigation of referential dependencies."

Prof. Alison Gabriele was awarded a grant from the National Science Foundation (\$438,380) to examine the extent to which variability in the native language and second language are related, testing Spanish-speaking learners of English in Spain and English-speaking learners of Spanish in the U.S. The project is a large-scale collaborative effort between researchers in the U.S. (Alison Gabriele and Robert Fiorentino, University of Kansas; Lesa Hoffman, University of Iowa; Julie Van Dyke, Haskins Laboratories) and in Europe (José Alemán Bañón, Stockholm University; Manuel Carreiras and Simona Mancini, Basque Center on Cognition, Brain, and Language). Gabriele spent part of her sabbatical semester in Fall 2018 at Stockholm University, working with KU alumnus José Alemán Bañón (Ph.D. 2015) to develop experimental materials in English and in Spanish for the project. Gabriele published a journal article on the processing of gender agreement in second language learners of Spanish in PLOS One with José Alemán Bañón and Robert Fiorentino. She also published two papers on the processing of pronominal dependencies, one on individual differences in the processing of English pronouns in Neuroscience Letters with Robert Fiorentino and Lauren Covey (Ph.D. 2018), and another on the processing of overt pronouns in Spanish with Nick Feroce and Robert Fiorentino, which is due to appear in a John Benjamins volume in the Hispanic and Lusophone Linguistics series. Along with colleagues and students, she presented research at the Second Language Research Forum and the American Association of Applied Linguistics. Gabriele also gave invited colloquy presentations at Stockholm University and the CUNY Graduate Center. Gabriele continues to serve as an Associate Editor for the journal *Linguistics* Approaches to Bilingualism and is on the editorial boards of Studies in Second Language Acquisition and Second Language Research. Gabriele served as the Director of Graduate Studies in Spring 2018.

Prof. John Gluckman joined the KU linguistics department in the Fall of 2018 after finishing his dissertation titled *Perspectives on Syntactic Dependencies* at the University of California, Los Angeles. As an affiliated member of the Kansas African Studies Center, Gluckman is continuing and expanding projects on East African languages. He'll be conducting fieldtrips to Kenya and Tanzania to document and record native speakers over the coming year, as well as continue to work with speakers in the Kansas community. Gluckman was invited to present his work at the University of Missouri, and also gave talks at TripleA in Konstanz, Germany, the West Coast Conference on Formal Linguistics in Los Angeles, and LSA in New York. He has several articles under review on his work on African languages and formal syntactic theory.

Prof. Allard Jongman continued his research on the acoustic and visual cues to segments and tones in conversational and clear speech. He published three papers with current or former graduate students: one on sound change in Korean stops with Dr. Hyunjung Lee, Ph.D. 2013 in the *Journal of Phonetics*; one on tonal neutralization in Taiwanese with Dr. Yu-Fu Chien, Ph.D. 2016 in *Language and Speech*; and one on dorsal fricatives with doctoral student Charlie Redmon in *The Journal of the Acoustical Society of America*. In addition, research begun during his sabbatical leave in Australia on the roles of bilingualism and auditory and visual information in children's processing of tone came out in *Frontiers in Psychology: Language Sciences* (with host Denis Burnham, Joan Sereno, Benjawan Kasisopa, and Lamya Antonios). In June, Jongman visited Hong Kong to serve as an external reviewer of the Department of Linguistics and Modern Languages at the Chinese University of Hong Kong; it also gave him the opportunity to catch up with alums Stephen Politzer-Ahles, Ph.D. 2013 and Katrina Connell, Ph.D. 2016. The best event by far this year was the special session ("*Coupling Phonetics and Psycholinguistics*") organized by former students (Bradlow, Wayland, Wang) at the fall meeting of the Acoustical Society of America in Victoria, Canada to honor the contributions of Prof. Allard Jongman and Prof. Joan Sereno. Thanks to all who organized and participated in this unforgettable celebration!

Prof. Andrew McKenzie began his first year as a newly-minted associate professor in 2018. During the year, he published an article in Glossa on the semantics of auxiliaries in Turkic languages (with Travis Major M.A. 2014 and Gülnar Eziz, KU Anthropology), and continued his three-year NSF project producing a semantic grammar of the endangered Kiowa language, spending a large part of the summer in Oklahoma working in the field. He gave ten talks and presentations in 2018, including at the WCCFL, SULA, and LSA conferences, as well as an invited colloquium talk at Southern Illinois University. Much of this work focuses on the semantics of incorporation. In the spring, he presented some early findings from his project in collaboration with UMKC Medical School analyzing semantic sources of communication errors in the operating room, and also gave outreach talks promoting Kiowa documentation and preservation--- work featured this summer in Kansas Alumni magazine. He also branched out in teaching and service, giving talks promoting his innovations in the semantics classroom, advising the Linguistics Undergraduate Club of Kansas (LUCK), serving on the College's Committee for Undergraduate Studies and Advising (CUSA), joining the editorial board at *Semantics & Pragmatics*, and getting elected to the Executive Committee for the Society for the Study of Indigenous Languages of the Americas (SSILA).

Prof. Utako Minai continued her research on meaning comprehension, both in children and adult speakers, and findings from her research appeared in three journal articles in 2018. She published an article on the comprehension of demonstrative words in English and Mandarin Chinese in a special issue of the Journal of Psycholinguistic Research with former Ph.D. student Dr. Chia-Ying Chu (Ph.D, 2015; Children's Hearing Foundation, Taipei), examining how children's cognitive development may influence their demonstrative comprehension. She also published a co-authored article on children's word identification and processing with Drs. Breanna Krueger (M.A. 2011, U. of Wyoming) and Holly Storkel (KU Speech-Language-Hearing) in Journal of Speech, Language, and Hearing Research. Together with Ph.D. student Xiao Yang and Dr. Robert Fiorentino, she also published an article in Frontiers in Psychology, investigating how adult native speakers' pragmatic processing is modulated by individual differences. In addition, preliminary results from her KU Graduate Research Fund-supported project on children's processing of the focus word "only" appeared in the KU Working Papers in Linguistics with former Ph.D. student Dr. Lauren Covey (Ph.D. 2018, Montclair State U.) and Dr. Kate Coughlin (Ph.D. 2016). In summer 2018, Prof. Minai delivered two invited talks in Japan, one at a symposium on syntax and semantics in child language acquisition at the Annual International Meeting of the Japanese Society for Language Sciences held in Tokyo, Japan, and the other at an international workshop on comparative syntax and language acquisition held at Nanzan University, Nagoya, Japan. She has also added several new student members to her lab, including one supported by KU's Emerging Scholars Program, and has started new collaborative projects with them, one of which, examining the semantics-pragmatics interface in child language, will be supported by a Child Language Doctoral Program Fund award in 2019, sponsored by Distinguished Professor Dr. Mabel Rice (KU Child Language Doctoral Program).

Prof. Cliff Pye continued his research on the acquisition of Mayan languages with Dr. Barbara Pfeiler (UNAM, Merida). They are researching the acquisition of incorporated motion in Mam and K'iche'. Pye completed another year of his project documenting the acquisition of Northern Pame (Otomanguean) with funding from the NSF and with the collaboration of Scott Berthiaume and Barbara Pfeiler. They are now revising the transcriptions. To fulfill the broader impacts for their research Pye and colleagues are teaching speakers of the language how to write their language on computers and publishing transcriptions of the children's recordings for their families. Pye has an article "Northern Pame-Spanish Language Acquisition in the Context of Incipient Language Loss" in press in the *International Journal of Bilingualism*. He presented aspects of this research at the XIX Encuentro de Adquisición del Lenguaje at the Universidad Autónoma de Querétaro in Querétaro, Mexico, in April and at the recent SSILA conference in New York City. Pye also published the paper "Balinese Spatial Reference Frames" with I. Nyoman Aryawibawa (Ph.D. 2010), Ida Bagus Putra Yadnya, I. Gusti Ngurah Parthama in *Lingua*.

Prof. Joan Sereno is Chair of the Department of Linguistics. She continued her research examining acoustic changes as well as production and perceptual consequences of second language speech, with four recent articles. One article on tone learning was research with Dr. Yingjie Li (Ph.D. 2017) and Dr. Goun Lee (Ph.D. 2015) (edited volume in honor of Prof. Ocke-Schwen Bohn). One article (*The Mental Lexicon*) on speech production errors with Arabic learners was written with an undergraduate Linguistics student (Keonya Jackson, B.A. 2016) and colleagues in Psychology (Dr. Vitevitch, and Fulbright postdoc, F. Aljasser). One article was with Allard Jongman and collaborators in Australia, examining perception of lexical tone by children from different language backgrounds (Kasisopa, Antonios, Jongman, Sereno, & Burnham, Frontiers in Psychology: Language Sciences). The final article was an examination of visual features used in speech perception (IEEE Proceedings). Prof. Sereno also finished her Editorship of the journal Language and Speech (2012-2018). In February 2019, Sereno will also complete her position as Chair of the Linguistics section (Linguistics and Language Sciences, Section Z) for the American Association for the Advancement of Science (AAAS). Prof. Sereno was awarded a Chancellors Club Teaching Professorship from the KU Endowment Association (2017-2022), an award that recognizes excellence in teaching. And last, but not least, in November, the Acoustical Society of America hosted a special session ("Coupling Phonetics and Psycholinguistics") to honor the contributions of Prof. Joan Sereno and Prof. Allard Jongman to the acoustics, perception, and processing of speech. Former and current students and colleagues from all over the world gathered in Victoria BC, Canada, to present their research in 6 keynote talks and more than 50 posters. Please stop by our offices to view the celebratory banner!

Prof. Annie Tremblay wrapped up her NSF-funded project "Effects of native language and linguistic exposure on non-native listeners' use of prosodic cues in speech segmentation". She co-wrote three articles that appeared in *Bilingualism: Language and Cognition* (second-language speech segmentation, with Drs. Mirjam Broersma and Caitlin Coughlin, Ph.D. 2016), *Language Learning* (second-language processing of stress, with graduate student Seulgi Shin and with alumni Drs. Katrina Connell (Ph.D. 2017), Maria Teresa (Maite) Martínez-García (Ph.D. 2016), Simone Huls, Zhen (Quentin) Qin (Ph.D. 2017), and Hanbo Yan (Ph.D. 2016)), and *Language and Speech* (second-language speech segmentation, with Drs. Elsa Spinelli and Caitlin Coughlin), as well as three short papers that appeared in the *Proceedings of the 9th Speech Prosody Conference*. She gave a plenary lecture at the Hanyang International Symposium on Phonetics and Cognitive Sciences of Language 2018, and she was a co-author in 10 additional presentations at conferences, including the 176th Meeting of the Acoustical Society of America, the First Conference on Architectures and Mechanisms of Language Processing – Asia, the 59th Meeting of

the Psychonomics Society, and the 9th Speech Prosody Conference. Prof. Tremblay also gave nine lectures on linguistics and second language acquisition at Free State High School and at Lawrence High School (reaching over 200 students), and she organized a visit of the Second-Language Processing and Eye-Tracking Lab for 14 Lawrence High School students and 2 of their instructors. Prof. Tremblay finished the end of her term as Associate Editor for the journal *Applied Psycholinguistics*.

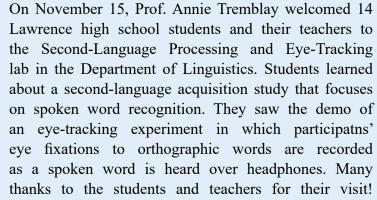
LUCK club meeting for some Halloween fun carving pumpkins.



Prof. Jie Zhang was awarded a 3.5-year, \$439,770 grant from the National Science Foundation for his collaborative project with colleagues at Hong Kong Polytechnic University on the neural mechanisms of tone sandhi production. Data collection with native Mandarin speakers is currently underway in Hong Kong. In collaboration with Dr. Hanbo Yan (Ph.D. 2016) in Shanghai, his research on the tone and phonation contrasts in Shanghai Wu appeared in print at the Journal of the Acoustical Society of America. He continued his collaboration with Drs. Hanbo Yan and Yufu Chien (Ph.D. 2016) on using auditory priming to investigate the representation of words undergoing different types of tonal alternation in Chinese dialects, and manuscripts on this topic are in various stages of submission and development. He is also collaborating with Drs. Allard Jongman, Joan Sereno, and Zhen Qin (Ph.D. 2017) in the investigation of the role of variability in categorizing linguistic tone, and a set of experiments on the effects of cue manipulation on tone categorization for Chinese and English speakers is currently being written up. He gave a plenary talk at the 36th West Coast Conference on Formal Linguistics at UCLA entitled "Speakers treat transparent and opaque alternation patterns differently — evidence from Chinese tone sandhi," and he also gave an invited talk at the 26th annual meeting of the International Association of Chinese Linguistics in Madison, WI. Additional conference presentations with students and colleagues include the 16th Conference on Laboratory Phonology, the 176th meeting of the Acoustical Society of America in conjunction with the 2018 Acoustics Week in Canada, the 26th Japanese/Korean Linguistics Conference, the 1st Hanyang International Symposium on Phonetics and Cognitive Sciences of Language, and the Architectures and Mechanisms of Language Processing-Asia (AMLaP-Asia) 2018. He assumed the Editorship for the Phonetics and Phonology section for Language and Linguistics Compass in September 2018.



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Neural mechanisms for phonological alternation with high and low productivity - a case study on tone sandhi

NSF grant - Prof. Jie Zhang

This project focuses on tonal alternation patterns whereby a tone takes different phonological forms in different contexts, also known as "tone sandhi." Behavioral studies have shown that tone sandhi patterns extend to novel words in different ways, i.e., have different productivity, depending on the phonological nature of the pattern. This suggests that different mechanisms may be involved in the processing of this type of phonological alternation. This project uses event-related potentials (ERPs) to examine the time-course of the encoding of a number of tone sandhi patterns in Mandarin and Taiwanese in speech production. It is hypothesized that unproductive sandhi patterns are primarily subserved by a lexical mechanism that engages neural activities in an earlier time window of lexical retrieval (approximately 150-225 ms after the initiation of production), while productive sandhi patterns are primarily subserved by a computation mechanism that engages neural activities in a later timewindow of phonological encoding (400-600 ms). It is also hypothesized that the neural activities of the lexical mechanism are sensitive to lexical frequency, while those of the computation mechanism are less so. This project will be the first to investigate the neural activities underlying the putative computation vs. lexical mechanisms associated with productive and unproductive phonological alternations. The increased understanding of the neural encoding of phonological alternation will inform both the theoretical models of speech production and formal models of phonological competence. Findings of this project can also be linked to issues of morphological decompositionality such as regularity and semantic transparency to achieve a fuller understanding of the neural bases of linguistic productivity.

Examining native language variability and its effects on second language processing: An event-related potentials investigation of referential dependencies

NSF grant – Prof. Alison Gabriele and Prof. Robert Fiorentino

The current study uses event-related potentials (ERP s) to examine the hypothesis that there is a link between success in the processing of referential dependencies in a second language (L2) and the ability to track linguistic and discourse-relevant information in the native language (L1). The establishment of referential dependencies, which occur when two linguistic expressions are interpreted as referring to the same individual, is an area that has long been recognized as challenging for both native speakers and L2 learners, but the two bodies of research have proceeded independently. The current study unites these bodies of research, examining the processing of overt pronouns in discourse in two groups of L2 learners, English-speaking learners of Spanish and Spanish-speaking learners of English, testing all participants in both their L1 and L2. All participants will take an extensive battery of individual difference measures which assess both linguistic and cognitive skills. Participants will be assigned to one of two studies, which differ with respect to whether or not the behavioral task associated with the ERP experiment asks participants to explicitly focus on pronominal reference. The goal is to develop a predictive model of the contexts and conditions under which native speakers and L2 learners are successful in discourse comprehension. In utilizing ERP, a more fine-grained characterization of the processes underlying comprehension in the L1 and L2 becomes possible, allowing us to examine whether L1 and L2 processing are qualitatively different.

2018 FRANCES INGEMANN SCHOLARSHIP – CHARLES REDMON

Charlie Redmon was the recipient of the Frances Ingemann Scholarship for the 2018-2019 academic year. Charlie would like to thank Dr. Ingemann and the Linguistics faculty for this honor and the generous support it will provide for his further research. Charlie began the MA/ PhD program in Fall 2015, and is advised by Dr. Allard Jongman. His research focuses on general problems in the study of the acoustic and perceptual structure of the speech signal, and has used a variety of data—acoustics, aerodynamics, electromagnetic articulography (EMA), eye tracking, and behavioral perception—to model this structure. Charlie has presented his research at several meetings of the Acoustical Society of America, as well as at conferences on South Asian languages (HLS, FASAL), and this summer will present at ASA, NetSci2019 (the annual meeting of the Network Science Society), and the International Congress of Phonetic Sciences (ICPhS). He has also published a paper on dorsal fricative acoustics/aerodynamics in the Journal of the Acoustical Society of America (Redmon & Jongman, 2018) and will submit several other papers in the coming months (Leung, Redmon, Wang, Jongman, Sereno, & McMurray; Redmon, Tremblay, & Vitevitch; Redmon, Shin, & Rong). For his dissertation, he is now beginning to run six perception experiments examining the acoustic/perceptual structure of the English lexicon, with the goal of more directly linking models of acoustic cue parsing, and the phonetic systems they define, to the higher-order units such cues serve to distinguish.



2018 FRANCES INGEMANN LECTURE – JANET VAN HELL

Janet van Hell, Ph.D.
Professor of Psychology and Linguistics
Co-Director, Center for Language Science
Pennsylvania State University
April 6, 2018

Code-switching in bilinguals: Integrating linguistic and neurocognitive approaches

A unique feature of bilingual speech is that bilinguals often produce utterances that switch between languages, such as "And we reckoned Holland was too small voor ons" [for us]. Codeswitching has been studied extensively in the field of linguistics, but an emergent body of psycholinguistic studies also seeks to examine the cognitive mechanisms associated with the comprehension and production of codeswitched sentences. These psycholinguistic studies show that switching between languages often incurs a measurable processing cost, even though codeswitchers typically report that switching occurs automatically and requires no cognitive

effort. I will present a series of recent behavioral and EEG studies, using ERP and time-frequency analyses, that examined the neurocognitive mechanisms associated with the comprehension of written and spoken codeswitched sentences. I will also discuss evidence showing that switching direction (switching from the first language to the second language, or vice versa) and accented speech modulate switching costs when bilinguals listen to or read code-switched sentences. Together these studies attest to the value of integrating cross-disciplinary approaches to gain more insight into the neural, cognitive, and linguistic mechanisms of the comprehension of codeswitched sentences.



Professor Walt Wolfram presents film and lecture

Linguistics celebrated Black History month with a visit by world-renowned sociolinguist Prof. Walt Wolfram. Prof. Wolfram is William C. Friday Distinguished University Professor at North Carolina State University, where he also directs the North Carolina Language and Life Project.

TALKING BLACK IN AMERICA

Film Screening + Q&A with Executive Producer Prof. Walt Wolfram

The film Talking Black in America follows the unique circumstances of the descendants of American slaves and their incredible impact on American life and language. Speech varieties from the African American community reflect the imprint of African language systems, the influences of regional British and Southern American dialects, and the creativity and resilience of people living through oppression, segregation and the fight for equality. Filmed across the United States, Talking Black in America is a startling revelation of language as legacy, identity and triumph over adversity. With Reverend Jeremiah Wright, DJ Nabs, Professor Griff, Quest M.C.O.D.Y., Dahlia the Poet, Nicky Sunshine and many others.

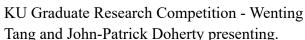


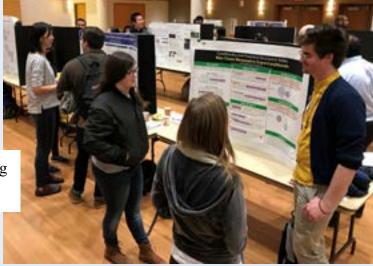
The sociolinguistic legacy of Dr. Martin Luther King Jr. Analysis and implications for social justice Prof. Walt Wolfram



Dr. Martin Luther King Jr's oratorical status is one of his enduring legacies, and his rhetorical strategies are often cited as a model of performance style. At the same time, few detailed sociolinguistic analyses have been conducted to show how he manipulated particular linguistic variables with different audiences, and the stances he constructed through his manipulation of particular linguistic structures. This presentation examines an array of sociolinguistic variables in Dr. King's speech in a range of settings to determine how he indexed his regional, social, and ethnic identity at the same time that he accommodated different audiences and interactions. The analysis indicates sig-

nificant variation of selected variables based on audience while maintaining stylistic stability for others. But there also is a deeper social meaning in Dr. King's dialect stance. His language performance symbolically embraced ethnolinguistic tradition and transcended linguistic diversity, modeling linguistic equality in action. Using his model, I demonstrate how a program of sociolinguistic justice can be implemented on an institutional level in a way that celebrates the legacy of Dr. King.









Michael Henderson Passes Away

Michael M.T. Henderson, Professor Emeritus of Linguistics, passed away on April 2, 2018. Dr. Henderson received his MA degree from Columbia University (1965) and his PhD in Linguistics from the University of Wisconsin-Madison (1972) with a dissertation on Dari (Kabul Persian) phonology. He served as Executive Director of the Kabul English Language Center in Afghanistan (1965-1968) and joined the University of Kansas in 1975 as Director of the Applied English Center and Assistant Professor of Linguistics. Dr. Henderson

was promoted to Associate Professor of Linguistics in 1979 and chaired the Linguistics department for two terms, from 1984-87, and from 1997-2000. Dr. Henderson retired from KU as Professor Emeritus in 2000.



Frances Ingemann Passes Away

Frances Ingemann, Professor Emerita of Linguistics, passed away on January 28, 2018 at the age of 90. Frances was the most influential person in the history of the Linguistics Department. She started teaching Linguistics when she arrived on campus in 1957 and she founded the department in 1967. The current department is, to a large extent, the fruit of her vision and persistence. Although formally retired in 2000, Frances continued to be an active member of the department, attending departmental colloquies and other social functions.

Frances received her Ph.D. in Linguistics from Indiana University in 1956. Her dissertation was on East Cheremis, a language of the former Soviet Union. She then spent a year at Haskins Laboratories in New York City, conducting groundbreaking research in the area of speech synthesis. Following that, Frances started what turned out to be a long and distinguished career at The University of Kansas. In addition to founding the department and serving as its chair for multiple years in multiple decades, Frances was also active in University Governance and was the first woman to chair the Faculty Senate. Frances was also inducted into the KU Women's Hall of Fame in 1977.

GRADUATE STUDENT NEWS

Jonah Bates - was awarded the Office of International Programs' 2018 Summer Pre-Dissertation Travel Grant providing opportunity for PhD fieldwork with Wastek Mayan speakers in San Luis Potosí, Mexico. He continues teaching under the departmental GTA fellowship in LING 312 Phonology (Spring 2018) and LING 325 Syntax 1 (Fall 2018) as well as a summer course in LING 106. In August, Jonah successfully defended his Master's Research Project "Typology of person marking referent reanalysis in six language families". Portions of this research project were presented at Form and Analysis in Mayan Linguistics (FAMLi) 5 in Antigua Guatemala as "The lowland Mayan first person shift in typological context" and in an invited talk for the KU Child Language Proseminar as "Person marking reanalysis in six language families".

Nick Feroce - continued conducting research on second language learners of Spanish. He presented a poster at the Hispanic Linguistics Symposium on the production of voiced approximants by learners. He also gave a talk with Dr. Amy Rossomondo at the Midwest Association of Language Learning and Technology conference on the open access learning platform *Acceso*. In the fall, he and his advisors, Dr. Alison Gabriele and Dr. Rob Fiorentino, began an international collaboration with Dr. Carlos Gelormini Lezama in Buenos Aires, Argentina to examine individual differences and the online processing of null and overt pronouns in Spanish by native speakers and second language learners of Spanish. Nick also had two manuscripts accepted for publication in the 2017 *Hispanics Linguistics Symposium proceedings*. Over the summer, he also taught a combined undergraduate and graduate second language acquisition course.

Shuxiao (**Donald**) **Gong** - gave a talk at the LabPhon 16 satellite workshop titled "Grammaticality and lexical statistics in Mandarin phonotactics". He continued his research in Mandarin phonotactics and expects to defend his Master's Research Project on Mandarin non-word judgment in Spring 2019.

Hyoju Kim - gave an oral presentation titled "Orthography dependence of Korean speakers on adaptation of English unstressed syllable" at the 26th Japanese/Korean Linguistics Conference (JK 26), University of California Los Angeles, CA, December 2018.

<u>Jinmyung Lee</u> – received a Fulbright scholarship. She published a paper entitled "Asymmetric cross-language activation of translations in Korean-English bilinguals in the *Journal of Cognitive Science*.

Charlie Redmon - is involved in several projects related to the wider goal of understanding the relation between sound systems and the lexicon. For his dissertation work, six experiments are planned for the coming year to gather auditory perception data on a diverse set of words in the English lexicon. Charlie is also working with Professors Jongman, Vitevitch, and Sereno of KU, and Professor Tucker of the University of Alberta, to deploy an online version of these experiments to build a complete database of spoken word recognition patterns for the 26,000+ words in the model lexicon. In a related project, Charlie is working with Seulgi Shin and Dr. Panying Rong (Speech-Language-Hearing Department, KU) to develop an open-access database of simultaneous acoustic and electromagnetic articulography (EMA) data on the same 26,000-word set mentioned above, as well as building a parallel database of Korean. Charlie presented his research at the fall meeting of the Acoustical Society of America in Victoria, Canada.

Wenting Tang - presented her minor paper project titled "Effects of era and perceptual similarity in Japanese loanword adaptation" at the 26th Japanese/Korean Linguistics Conference (JK 26), University of California Los Angeles, CA, December 2018.

Xiao Yang - published an article titled "Context-sensitivity and individual differences in the derivation of scalar implicature" with Dr. Utako Minai and Dr. Robert Fiorentino in *Frontiers in Psychology*, and she was awarded the KU Open Access Author Fund for the publication. Xiao's dissertation proposal titled "Examining the linguistic cues that guide prediction in the processing of Mandarin relative clauses: An ERP study" with Dr. Robert Fiorentino, Dr. Alison Gabriele, and Dr. Utako Minai was recently recommended for funding by NSF's Linguistics program. In addition, Xiao collaborated with faculty members and graduate students on a handful of EEG projects examining a range of topics, including Mandarin tones (collaborating with Dr. Yu-Fu Chien PhD 2016, Dr. Joan Sereno, and Dr. Robert Fiorentino), semantic priming (collaborating with Dr. Lauren Covey PhD 2018, Dr. Kate Coughlin PhD 2016, Dr. Adrienne Johnson PhD 2015, Dr. Cynthia Siew, Dr. Maria Teresa Martinez-Garcia PhD 2016, and Dr. Robert Fiorentino), and phoneme restoration (with Charlie Redmon, Yuyu Zeng, Juhi Kidwai, Dr. Robert Fiorentino, and Delaney Wilson). In her duty as a Graduate Teaching Assistant, Xiao taught LING 110 Language and Mind in Summer 2018 as the sole instructor and recently collaborated with Dr. Robert Fiorentino on a curriculum redesign project for the Neurolinguistics I class. Xiao received both the 2017 Frances Ingemann Linguistics Scholarship and 2018 Outstanding Teaching Assistant award from the department.

Yuyu (Rustle) Zeng - presented two posters at the fall meeting of the Acoustical Society of America in Victoria, Canada: "No adaptation to foreign-accented voice-onset-time distribution in lexical processing" with Dr. Annie Tremblay, Seulgi Shin, and Tifani Biro; and "Linking production and perception of clear speech" with Dr. Joan A. Sereno, Dr. Allard Jongman, Charles Redmon, Dr. Yue Wang, Beverly Hannah, Keith K.W. Leung, Sylvia Cho, Dr. Ghassan Hamarneh, Dr. Lisa Tang, Saurabh Garg, Dr. Bob McMurray, and Dr. Paul Tupper. She also defended her Master's thesis "Perceptual preference for falling tones over rising tones: A study of Mandarin Chinese". She worked as a graduate research assistant for Dr. Annie Tremblay, investigating cue-weighting of stress perception across languages at an individual level, using eye-tracking. Next year, she will work on several EEG research projects, including: (1) her major paper, which attempts to separate tonal MMN response from auditory response, (2) a joint research project with Dr. Robert Fiorentino, Alexandria Vogt-Woodin, Charles Redmon, John-Patrick Doherty, Juhi Kidawai, Delaney Wilson, and Xiao Yang, on lexical MMN, (3) a joint project with Dr. Jie Zhang, Dr. Caicai Zhang, Dr. Stephen Politzer-Ahles PhD 2013, and Dr. Gang Peng, on neural mechanisms for tone sandhi processing.

GRADUATE STUDENT RESEARCH

Jonah Bates - is currently following up his Master's research into how person marking reference changes over time, leading towards a PhD dissertation. His PhD research focuses this question from broad typological tendencies down onto the Mayan language family specifically but also broadens the scope to look at structural changes in person marking for that family as well. In order to further develop the diachronic story of the evolution of Mayan person marking, Jonah is conducting primary fieldwork with speakers of Wastek Mayan (the earliest Mayan language to diverge from the family) in San Luis Potosí Mexico to create a comprehensive dialectal survey of the distribution of different person marking phenomena in the region. He is also continuing research from last year on the internal structure of Tzeltal possessed DPs (leading towards a minor paper) and the phonetics of Mam glottalic bilabials for possible publication.

Nick Feroce - is currently working on a self-paced reading experiment examining individual differences in cognitive and linguistic abilities in native and non-native processing of null and overt pronouns in Spanish. He recently received a research grant from the KU Research Excellence Initiative to collect data from native Spanish speakers in Buenos Aires, Argentina. He is planning to extend this research design to eye-tracking for his dissertation to examine different discourse cues in the processing of null and overt pronouns. In addition to research in psycholinguistics, Nick continued his collaboration with Dr. Ana de Prada Pérez (Maynooth University) to examine the role of priming in pronoun expression in the speech of Spanish second language learners. He also began a project with Dr. Amy Rossomondo to examine the quantitative and qualitative learning outcomes from a new, fully digital beginner Spanish textbook, Contraseña.



Jonah Bates with Wastek Mayan speaker Gudelia in San Luis Potosí, Mexico.

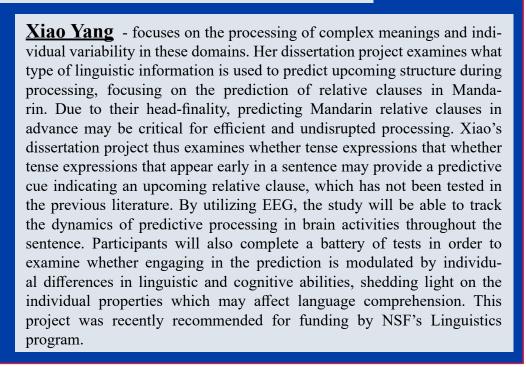
Jinmyung Lee - is currently working on speech perception by second language (L2) learners for her MA Research Project. L2 speech perception is quite challenging especially when the speech signal contains vowel and/or consonant contrasts that are difficult to learn. This is in part because misperceived sounds can activate unnecessary words, leading to much more competition among lexical candidates. The current research seeks to understand how acoustic information in the speech signal affects this unnecessary lexical competition. Thus, the research focuses on the relation between spurious lexical activation and cue-weighting by investigating whether the /i/-/I/ contrast, which does not exist in Korean and thus is difficult to perceive for Korean L2 learners of English, causes unnecessary lexical candidates to be activated in Korean listeners' recognition of English spoken words in relation to their individual weighting of durational and spectral cues to the /i/-/I/ contrast.

Charlie Redmon - co-authored a paper in the *Jour*nal of the Acoustical Society of America with Dr. Allard Jongman titled "Source characteristics of voiceless dorsal fricatives." At the fall meeting of the Acoustical Society of America, Charlie presented the first stage of his dissertation research – on English obstruent cue weights in the lexicon as a function of listener word recognition data – which was facilitated by a grant from the Graduate School to run the experiment on Canadian listeners in collaboration with Dr. Benjamin Tucker at the University of Alberta in Edmonton, Canada. Charlie also presented on a machine-readable phonological lexicon of the Garo language (spoken in Northeast India) at the Formal Approaches to South Asian Languages conference in Wichita, and on the use of null models in statistical inference from network data at the Science of Security conference in Kansas City. Charlie was the recipient of the 2018 Frances Ingemann Linguistics Scholarship.



Charlie Redmon testing the data collection process for his articulatory project

Wenting Tang - is conducting research on second language learners' acquisition of the count/mass distinction in English. She has finished data collection from L1-Chinese and L1-French learners. By looking at learners of a number-marking L1 (French) and a classifier L1 (Chinese), her study examines the effect of syntactic and lexical L1 transfer and whether learners of typologically different L1s acquire the count/mass distinction based on certain semantic universals.



Welcome New Graduate Students



<u>Trevin Garcia</u> – United States - BA in English Literature from Kansas State University - Research interests: phonetics, syntax, variation – Ph.D. candidate

Hyoju Kim – South Korea - MA in Linguistics from Hongik University and MA in English Education from Seoul National University - Research interests: phonology, phonetics, morphology – Ph.D. candidate

Nathan Schellenberg – United States - BA in Linguistics from Truman State University - Research interests: second language acquisition – M.A. candidate

Fenqi Wang – China - BA in English Translation and Interpretation from Wuhan University of Engineering Science and MA in Linguistics from China University of Geosciences - Research interests: phonetics, phonology – Ph.D. candidate

2018 GTAs

Spring 2018

Jonah Bates - LING 312
Ruoqian (Lucy) Cheng - LING 110
John-Patrick Doherty - LING 106
Shuxiao (Donald) Gong - LING 106
Longcan Huang - LING 110
David Kummer - LING 320
Wenting Tang - LING 110
Alex Vogt-Woodin - LING 320
Xiao Yang - LING 106
Yuyu (Rustle) Zeng - LING 435

Fall 2018

Jonah Bates - LING 325 Ruoqian (Lucy) Cheng - LING 110 John-Patrick Doherty - LING 106 Shuxiao (Donald) Gong - LING 106 David Kummer - LING 320 Charlie Redmon - LING 305 Seulgi Shin - LING 110 Wenting Tang - LING 110 Fenqi Wang - LING 106

2018 Graduations Congratulations!

Bachelor of Arts in Linguistics

Omaima Alenezi
Dominic Avelluto
Lencia Beltran
Ryan Burris
Hannah Clough
Justin Connolly
Kyler Dixon
Robert Gilbert
Tristen Goetz
Kevin Gray

Jessica Herlinger
Jocelyn Hunt
Frank Kim
Abigail Lanphear
Gillian Marsh
Catherine Martin
Donovan Mason
Sarah McCarthy
Maya Mills
Madeline Niemackl

Jamie Parrott
Zizhen Pei
Naomi Phan
Kennedy Simpson
Heaven Snyder
James Tandy
Nicole Vanahill
Rony Villeda-Lopez
Michael Young
Jialin Zhang

Undergraduate Minors

Jacqueline Ball
Sarah Brown
Emily Evans-Monce
Emily Jacobs
Gerone Navarro
Lindsay Roush
McKenzie Sigle
Brit Sweet
Beth Westerman



WCCFL 2018 conference. Phil Duncan (KU; M.A. 2013, Ph.D. 2017), Zhuo Chen (UCLA, M.A. 2016), Andrew McKenzie (KU), Travis Major (UCLA; M.A. 2014), Harold Torrence (UCLA), and Jie Zhang (KU)

2018 Graduations Congratulations!

Master of Arts in Linguistics

Kayla Clark – Written Exam

Phillip Kroh - "Rates of scalar implicature generation in second language English by native speakers of Japanese" (Advisor: Utako Minai)

Mashael Mojamami – Written Exam

Lena Roesner - Written Exam

Bin Wei – Written Exam

Kunning Yang – Written Exam

Doctor of Philosophy

Lauren Covey - "An ERP investigation of individual differences in the processing of wh-dependencies by native and non-native speakers" (Advisors: Alison Gabriele and Robert Fiorentino)

Congratuations Lauren! Lauren Covey's Ph.D. defense committee: Prof. Annie Tremblay, Prof. Alison Gabriele, Prof. Robert Fiorentino, Prof. Utako Minai, and Prof. Yan Li (EALC)



2018 Linguistics Awards

Frances Ingemann Scholarship – Charles Redmon Graduate Teaching Award - Lauren Covey & Xiao Yang Outstanding Graduate Student Service Award - Jonah Bates Dissertation Award - Xiao Yang

> Distinguished Undergraduate Linguistics Major Award - Frank Kim Promising Undergraduate Linguistics Junior Award - Austin Drake & Catherine Pham Outstanding Undergraduate Service Award - Naomi Phan

Visiting Scholars

All visiting scholars have research interests in phonology and phonetics:

Xunan Huang, Ph.D. student, Hong KongPolytechnic University, Hong KongJinpang Song, Lecturer, Tianjin PolytechnicUniversity, China

Peng (Tony) Wang, Associate Professor, Hunan University, ChinaYanhong Wang, Lecturer, University of Jiaxing, China

Linguistics graduate students, Sheyenne Fishero, Delaney Wilson, Xiao Yang, and David Kummer led a panel discussion of the movie *Arrival* for a SciFlix viewing in the Auditorium of the Regnier Building on the KU Edwards Campus.



Alumni Updates



Dr. Katrina Connell (Ph.D. 2017) has just returned to the US having completed a year-long post-doc at the Hong Kong Polytechnic University in the Chinese and Bilinguals Studies Department, where she worked on projects relating to Mandarin Chinese third-tone sandhi and bilingual lexical access. While working in Hong Kong, she also had the opportunity to travel quite a bit, visiting Macao, India, Taiwan, and Korea. Now a resident of State College, PA, she has just begun her new position at Penn State University working with Dr. Giuli Dussias as the Lab Manager and Research Coordinator for the Dussias Brain Tracking Lab. She instructs undergraduates and graduates on both eyetracking and EEG research methodology and on good experimental design practices, data processing, and statistical analyses for linguistics research. She will also continue her own research from Hong Kong Polytechnic and

KU on the use of suprasegmentals in first- and second-language lexical access.



Dr. Lauren Covey (Ph.D. 2018) completed her Ph.D. in the summer of 2018 under the supervision of Dr. Alison Gabriele and Dr. Robert Fiorentino. She is now an Assistant Professor in the Linguistics Department at Montclair State University in Montclair, New Jersey. She teaches introductory linguistics courses to undergraduate and M.A. students, as well as classes with a focus on second language acquisition. Along with her colleague Dr. Jonathan Howell, she is in the process of establishing the Experimental Linguistics Laboratory at Montclair State, where she will continue to investigate sentence processing in both native speakers and second language learners. The lab will be a collaborative space for linguistics faculty and students that includes a sound-proof booth for audio recording

and electroencephalography (EEG) equipment. Lauren also mentors M.A. students in her department's Applied Linguistics program, which has allowed her to broaden her research horizons and learn more about American Sign Language, music in the L2 classroom, and task-based approaches to vocabulary learning. When she needs a break from the lab, she enjoys exploring NYC and trying new restaurants.

Alumni Updates



Dr. Mingxing Li (Ph.D. 2017) is currently an Assistant Professor in the Department of English Language and Literature at Hong Kong Baptist University (HKBU). He is continuing and expanding his research in phonological typology, sound change, speech perception, and speech sounds in second language. Mingxing serves as the director of the HKBU Phonology Lab (http://arts.hkbu.edu.hk/phonlab/index.html). Through his teaching of various courses, he is encouraging undergraduate and postgraduate students to do linguistics, using what he learnt at KU.

Dr. Maite Martínez García (Ph.D. 2016) is an assistant professor in the Spanish department at Hankuk University of Foreign Studies (Seoul, South Korea). She also collaborates with the Linguistics Department at Hankuk University of Foreign Studies - Global Campus, and with the Foreign Language Center at the Universitat Oberta de Catalunya (Spain). She continues her volunteer work with Beyond the English Divide, a nonprofit corporation that teaches English to underprivileged kids in Seoul.



Alumni Updates





Dr. Zhen (Quentin) Qin (Ph.D. 2017) is currently a postdoctoral research fellow, working with Drs. Caicai Zhang and William Shi Yuan Wang, in the Department of Chinese and Bilingual Studies at the Hong Kong Polytechnic University. He wrote an article that will appear soon in the Journal of Phonetics ("Influence of withincategory tonal information in the recognition of Mandarin-Chinese words by native and non-native listeners: An eye-tracking study"), co-authored with Drs. Annie Tremblay and Jie Zhang. Moreover, he started a new project on the role of sleep-mediated memory consolidation (i.e. learners are trained before sleep) in the perceptual learning of Cantonese tones at both behavioral (tone discrimination and identification) and brain (EEG) level in a laboratory setting. He is also a member of the organizing committee of the Summer School in Language, Cognition and Neuroscience http://www.cbs.polyu.edu. hk/2019summer-school/index.php. He is happy to take the challenges caused by living in a fast-paced city, Hong Kong. In his free time, he enjoys hiking and learning Cantonese.

Fourth and fifth grade students at Sunflower Elementary School participated in a Gingerbread Challenge where they create structures from their town and share with students from other cities.

Pictured:

615 Tennessee Street, Lawrence Kansas Dr. Frances Ingemann's house!



ASA Conference



Allard Jongman and Joan Sereno surrounded by former and current students at the banquet following their special session at the ASA. Front row, from left to right: Ann Bradlow (Ph.D. 1993), Rustle Zeng, Kelly Berkson (Ph.D. 2013), and Quentin Qin (Ph.D. 2017). Back row: Bob McMurray (B.A. 1998), Ioana Chitoran (Ph.D. 1997), Alice Turk (Ph.D. 1993), Allard Jongman, Ratree Wayland (Ph.D. 1997), Richard Wright (Ph.D. 1997), Charlie Redmon, Joan Sereno, Seulgi Shin, Yue Wang (Ph.D. 2001), Yu-Fu Chien (Ph.D. 2016), and Steve Politzer-Ahles (Ph.D. 2013). Not pictured: Wendy Herd (Ph.D. 2011) and Mahire Yakup (Ph.D. 2013).

Allard Jongman & Joan Sereno attend a special session *Coupling Phonetics and Psycholinguistics* in their honor at the Fall 2018 meeting of the Acoustical Society of America (ASA).

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Francis L. Abel & Anne Abel Hull

Beverly M. Boyd

Elsy Cardona

Dasha Carey

Jonathan J. Coffee

Frances Ingemann

Mingxing Li

Jiang Liu

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Yolanda Raffo-Dewar

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